

DRUM INVENTORY SHEET

|  |                                |                         |                            |  |     |                                    |  |                       |  |
|--|--------------------------------|-------------------------|----------------------------|--|-----|------------------------------------|--|-----------------------|--|
| Customer:<br><u>Douglas - Torrance</u>                               |                                | Job #:<br><u>210917</u> |                            | Date: <u>8-2-93</u><br><del>8-2-93</del> |     | Drum #<br><u>DS-01</u>             |  |                       |  |
| Dot Shipping Name:<br><u>Waste Flammable liquids, Corrosive, NOS</u> |                                |                         |                            | Hazard Class<br><u>3</u>                 |     | UN/NA <u>PGII</u><br><u>UN2924</u> |  | Chemists<br><u>DS</u> |  |
|  |                                |                         |                            | Profile #                                |     | Drum Type: <u>30 gal poly</u>      |  |                       |  |
| ITEM NO.   | MATERIAL DESCRIPTION           | QUANTITY                | EPA NUMBER                 | EH #                                     | 551 |                                    |  |                       |  |
| 1  | <u>Hysol Part B (cont</u>      | <u>6 x 1/2 gal</u>      | <u>D002</u>                |  |     |                                    |  |                       |  |
| 2  | <u>diethylene triamine,</u>    |                         |                            |  |     |                                    |  |                       |  |
| 3  | <u>triethylene triamine)</u>   |                         |                            |  |     |                                    |  |                       |  |
| 4  |                                |                         |                            |  |     |                                    |  |                       |  |
| 5  | <u>Tetra-etch (cont</u>        | <u>11 x 16oz</u>        | <u>D001</u><br><u>D002</u> |  |     |                                    |  |                       |  |
| 6  | <u>Ethylene Glycol</u>         |                         |                            |  |     |                                    |  |                       |  |
| 7  | <u>Dimethyl Ether 75%,</u>     |                         |                            |  |     |                                    |  |                       |  |
| 8  | <u>Sodium Naphthalene 25%)</u> |                         |                            |  |     |                                    |  |                       |  |
| 9  |                                |                         |                            |  |     |                                    |  |                       |  |
| 10   |                                |                         |                            |  |     |                                    |  |                       |  |
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| Customer:<br><u>Douglas - Torrance</u>                       |                                     | Job #:<br><u>210917</u> |                          | Date:<br><u>8-2-93</u>         |                              | Drum #<br><u>DS-04</u> |                       |
|--|-------------------------------------|-------------------------|--------------------------|--------------------------------|------------------------------|------------------------|-----------------------|
| Dot Shipping Name:<br><u>Waste Flammable liquids, N.O.S.</u> |                                     |                         | Hazard Class<br><u>3</u> |                                | UN/NA PG/II<br><u>UN1993</u> |                        | Chemists<br><u>DS</u> |
| Profile #  |                                     |                         |                          | Drum Type: <u>30 gal metal</u> |                              |                        |                       |
| ITEM NO.   | MATERIAL DESCRIPTION                | QUANTITY                | EPA NUMBER               | EH #                           | 331                          |                        |                       |
| 1  | <u>Hysol Part A (cont</u>           | <u>6 x 1/2 gal</u>      | <u>D001</u>              |                                |                              |                        |                       |
| 2  | <u>epoxy resins cont; petroleum</u> |                         |                          |                                |                              |                        |                       |
| 3  | <u>distillates)</u>                 |                         |                          |                                |                              |                        |                       |
| 4  | <u>Poly Tech (cont Resin;</u>       | <u>2 x 1 gal</u>        | <u>D001</u>              |                                |                              |                        |                       |
| 5  | <u>cont petroleum distillates)</u>  |                         |                          |                                |                              |                        |                       |
| 6  |                                     |                         |                          |                                |                              |                        |                       |
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| Customer:<br><u>Douglas - Torrance</u>             |                         | Job #:<br><u>2-10917</u> |                            | Date:<br><u>8-2-93</u> |                                      | Drum #<br><u>DS-09</u> |                       |                                 |
| Dot Shipping Name:<br><u>Waste Magnesium alloy</u> |                         |                          | Hazard Class<br><u>4.1</u> |                        | UN/NA <u>PG 11</u><br><u>UN 1869</u> |                        | Chemists<br><u>DS</u> |                                 |
|  |                         |                          | Profile #                  |                        | Drum Type: <u>30 gal metal</u>       |                        |                       |                                 |
| ITEM NO.   | MATERIAL DESCRIPTION    | QUANTITY                 | EPA NUMBER                 | EH #                   |                                      |                        |                       |                                 |
| 1  | <u>Magnesium powder</u> | <u>1 x 1/2 lb</u>        | <u>D001</u>                |                        |                                      |                        |                       | <u>551</u><br><u>Flam Solid</u> |
| 2  |                         |                          |                            |                        |                                      |                        |                       |                                 |
| 3  |                         |                          |                            |                        |                                      |                        |                       |                                 |
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|---|------------------------|-------------------------|--------------|----------------------------|---------------------------|-----------------------------|--|
| Customer:<br><u>Douglas-Torrance</u>                                    |                        | Job #:<br><u>210917</u> |              | Date:<br><u>8-2-93</u>     |                           | Drum #:<br><u>DS-03</u>     |  |
| Dot Shipping Name:<br><u>Waste Hydrogen Peroxide, aqueous solutions</u> |                        |                         |              | Hazard Class<br><u>S.1</u> |                           | UN/NA PGII<br><u>UN2014</u> |  |
|   |                        |                         |              | Profile #                  |                           | Chemists<br><u>DS</u>       |  |
|   |                        |                         |              | Drum Type:                 |                           | <u>Seal poly</u>            |  |
| ITEM NO.  | MATERIAL DESCRIPTION   | QUANTITY                | EPA NUMBER   | EH #                       | <del>551</del> <u>551</u> |                             |  |
| 1   | Hydrogen Peroxide 30 % | 8 x 1 pt                | D002<br>D001 |                            |                           |                             |  |
| 2   | solution               |                         |              |                            |                           |                             |  |
| 3   |                        |                         |              |                            |                           |                             |  |
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|---|-------------------------|--------------------------|---------------------------------------|
| Customer:<br><u>Douglas - Torrance</u>                    | Job #:<br><u>210917</u> | Date:<br><u>8-2-93</u>   | Drum #<br><u>DS-08</u>                |
| Dot Shipping Name:<br><u>Waste Corrosive liquids, NOS</u> |                         | Hazard Class<br><u>8</u> | UN/NA<br><u>P611</u><br><u>UN1760</u> |
| Chemists<br><u>DS</u>                                     |                         |                          |                                       |

| Profile # |                             | Drum Type: <u>Sgal poly</u> |             |      |            |
|-----------|-----------------------------|-----------------------------|-------------|------|------------|
| ITEM NO.  | MATERIAL DESCRIPTION        | QUANTITY                    | EPA NUMBER  | EH # | <u>123</u> |
| 1         | <u>Sodium Hydroxide</u>     | <u>2x12</u>                 | <u>D002</u> |      |            |
| 2         |                             | <u>2x12oz</u>               |             |      |            |
| 3         |                             |                             |             |      |            |
| 4         | <u>Window cleaner (cont</u> | <u>1x1/2gal</u>             | <u>D002</u> |      |            |
| 5         | <u>ammonium hydroxide)</u>  |                             |             |      |            |
| 6         |                             |                             |             |      |            |
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|---|------------------------|-------------------------|------------------------------|-------------------------|---------------------------------------|------------------------|-----------------------|
| Customer:<br><u>Douglas - Torrance</u>  |                        | Job #:<br><u>210917</u> |                              | Date:<br><u>8-12-93</u> |                                       | Drum #<br><u>DS-13</u> |                       |
| DOT Shipping Name:<br><u>Environmentally Hazardous substances, solid, NDS</u> |                        |                         | Hazard Class<br><u>9</u>     |                         | UN/NA<br><u>PG11</u><br><u>UN3077</u> |                        | Chemists<br><u>DS</u> |
| Profile #   |                        |                         | Drum Type: <u>5 gal poly</u> |                         |                                       |                        |                       |
| ITEM NO.  | MATERIAL DESCRIPTION   | QUANTITY                | EPA NUMBER                   | EH #                    |                                       |                        |                       |
| 1   | <u>Sodium chromate</u> | <u>2 x 500gm</u>        | <u>DOO 1</u>                 |                         |                                       |                        |                       |
| 2   |                        |                         |                              |                         |                                       |                        |                       |
| 3   |                        |                         |                              |                         |                                       |                        |                       |
| 4   |                        |                         |                              |                         |                                       |                        |                       |
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|---|----------------------|-------------------------|--------------------------|------------------------|--|------------------------|-----------------------|
| Customer:<br><u>Douglas - Torrance</u>                    |                      | Job #:<br><u>210917</u> |                          | Date:<br><u>8-2-93</u> |  | Drum #<br><u>DS-10</u> |                       |
| DOT Shipping Name:<br><u>Hazardous waste liquid, NOS.</u> |                      |                         | Hazard Class<br><u>9</u> |                        | UN/NA <u>P 6 III</u><br><u>NA 3082</u> |                        | Chemists<br><u>PS</u> |
|   |                      |                         | Profile #                |                        | Drum Type: <u>5 gal poly</u>           |                        |                       |
| ITEM NO.  | MATERIAL DESCRIPTION | QUANTITY                | EPA NUMBER               | EH #                   | 551                                    |                        |                       |
| 1   | Seletron Cadmium     | 3 x 12oz                | D006                     |                        |  |                        |                       |
| 2   | (cont Cadmium        |                         |                          |                        |  |                        |                       |
| 3   | compound)            |                         |                          |                        |  |                        |                       |
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|---|----------------------|-------------------------|------------|----------------------------|--------|------------------------------|--|
| Customer:<br><u>Douglas - Torrance</u>                |                      | Job #:<br><u>210917</u> |            | Date:<br><u>8-2-93</u>     |        | Drum #<br><u>DS05</u>        |  |
| Dot Shipping Name:<br><u>Waste isocyanates, N.O.S</u> |                      |                         |            | Hazard Class<br><u>6.1</u> |        | UN/NA PGI<br><u>UN 2206</u>  |  |
|   |                      |                         |            | Chemists<br><u>DS</u>      |        |                              |  |
|   |                      |                         |            | Profile #                  |        | Drum Type: <u>5 gal poly</u> |  |
| ITEM NO.  | MATERIAL DESCRIPTION | QUANTITY                | EPA NUMBER | EH #                       |        |                              |  |
| 1   | Chem Tech Component  | 1 x 1 gal               | N/R        |                            | 551    |                              |  |
| 2   | A (cont. isocyanate) |                         |            |                            | Poison |                              |  |
| 3   | Flash point > 61°C   |                         |            |                            |        |                              |  |
| 4   |                      |                         |            |                            |        |                              |  |
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|---|-------------------------------|----------------------------|-------------|------------------------------|----------------|------------------------|--|
| Customer:<br><u>Douglas - Torrance</u>                      |                               | Job #:<br><u>210917</u>    |             | Date:<br><u>8-2-93</u>       |                | Drum #<br><u>DS-06</u> |  |
| Dot Shipping Name:<br><u>Non-RCRA Hazardous Waste Solid</u> |                               |                            |             | Hazard Class<br><u>N/R</u>   |                | UN/NA<br><u>N/R</u>    |  |
|   |                               |                            |             |                              |                | Chemists<br><u>DS</u>  |  |
| Profile #   |                               |                            |             | Drum Type: <u>5 gal poly</u> |                |                        |  |
| ITEM NO.  | MATERIAL DESCRIPTION          | QUANTITY                   | EPA NUMBER  | EH #                         | 551            |                        |  |
| 1   | <u>iron powder</u>            | <u>1x 500gm</u>            | <u>N/R</u>  | <u>Removed</u>               |                |                        |  |
| 2   |                               | <u>1x 20gm</u>             |             |                              |                |                        |  |
| 3   |                               |                            |             |                              |                |                        |  |
| 4   | <u>Calcium Sulfate</u>        | <u>1x 20gm</u>             |             |                              |                |                        |  |
| 5   | <u>powder</u>                 |                            |             |                              |                |                        |  |
| 6   |                               |                            |             |                              |                |                        |  |
| 7   | <u>phenolphthalein powder</u> | <u>1x 20gm</u>             |             |                              |                |                        |  |
| 8   |                               |                            |             |                              |                |                        |  |
| 9   | <u>Sodium dichromate</u>      | <u>1x <sup>500</sup>gm</u> | <u>D007</u> |                              | <u>Removed</u> |                        |  |
| 10  |                               |                            |             |                              |                |                        |  |
| 11  | <u>Handy Flux Cont</u>        | <u>1x 1/2 lb</u>           |             |                              |                |                        |  |
| 12  |                               |                            |             |                              |                |                        |  |
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|--|----------------------|---------------------|------------|-----------------------|-----|-----------------|--|
| Customer:<br>Douglas - Torrance                      |                      | Job #:<br>210917    |            | Date:<br>8-6-93       |     | Drum #<br>DS-11 |  |
| DOT Shipping Name:<br>Non-PCRA Hazardous waste solid |                      | Hazard Class<br>N/R |            | UN/NA<br>N/R          |     | Chemists<br>DS  |  |
|  |                      | Profile #           |            | Drum Type: 5 gal poly |     |                 |  |
| ITEM NO.   | MATERIAL DESCRIPTION | QUANTITY            | EPA NUMBER | EH #                  | SSI |                 |  |
| 1  | iron powder          | 1x500gm             | N/R        |                       |     |                 |  |
| 2  |                      | 1x20gm              |            |                       |     |                 |  |
| 3  |                      |                     |            |                       |     |                 |  |
| 4  |                      |                     |            |                       |     |                 |  |
| 5  |                      |                     |            |                       |     |                 |  |
| 6  |                      |                     |            |                       |     |                 |  |
| 7  |                      |                     |            |                       |     |                 |  |
| 8  |                      |                     |            |                       |     |                 |  |
|  |                      |                     |            |                       |     |                 |  |
| 10   |                      |                     |            |                       |     |                 |  |
| 11   |                      |                     |            |                       |     |                 |  |
| 12   |                      |                     |            |                       |     |                 |  |
| 13   |                      |                     |            |                       |     |                 |  |
| 14   |                      |                     |            |                       |     |                 |  |
| 15   |                      |                     |            |                       |     |                 |  |
| 16   |                      |                     |            |                       |     |                 |  |
| 17   |                      |                     |            |                       |     |                 |  |
| 18   |                      |                     |            |                       |     |                 |  |
| 19   |                      |                     |            |                       |     |                 |  |
| 20   |                      |                     |            |                       |     |                 |  |
| 21   |                      |                     |            |                       |     |                 |  |
|  |                      |                     |            |                       |     |                 |  |
| 23   |                      |                     |            |                       |     |                 |  |
| 24   |                      |                     |            |                       |     |                 |  |



# D.O.T. EMERGENCY RESPONSE GUIDE 76



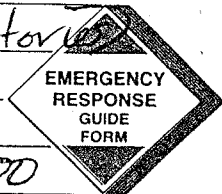
(FOLD ON DOTTED LINE—STAPLE TO HAZARDOUS MATERIALS SHIPPING PAPER)

Use basic description and technical name as described in 49 CFR 172.202 and 172.203 (K).

Basic Description: Lab pack  
(see attached inventory)

Technical Name(s): \_\_\_\_\_

24 hr. Emergency Contact Tel. No.: 800-424-9300



## D.O.T. EMERGENCY RESPONSE GUIDE 76

### POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

Flammable/combustible material; may be ignited by heat, sparks or flames.  
May burn rapidly with flare-burning effect.  
May ignite in presence of moisture.  
Violent reaction with water.

#### HEALTH HAZARDS

Fire may produce irritating or poisonous gases.  
Contact may cause burns to skin and eyes.  
Runoff from fire control or dilution water may cause pollution.

### EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.  
Stay upwind; keep out of low areas.  
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.  
**CALL CHEMTREC AT 1-800-424-9300 AS SOON AS POSSIBLE,**  
especially if there is no local hazardous materials team available.

#### FIRE

Use water spray to reduce vapor; do not get water inside container.  
**Do not use water or foam.**  
Do not get water inside container.  
**Small Fires:** Dry chemical, soda ash, lime or sand.  
**Magnesium Fires:** Use dry sand, Met-L-X® powder or G-1 graphite powder.  
Move container from fire area if you can do it without risk.  
For massive fire in cargo area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

#### SPILL OR LEAK

Shut off ignition sources; no flares, smoking or flames in hazard area.  
Do not touch or walk through spilled material.  
**Small Dry Spills:** With clean shovel place materials into clean, dry container and cover loosely; move containers from spill area.  
No water on spilled material; do not get water inside container.  
**Spills:** Dike for later disposal; **do not apply water** unless directed to do so.  
**Magnesium Spills:** Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.  
Cleanup only under supervision of an expert.  
Move undamaged packages from spill area.

#### FIRST AID

Move victim to fresh air and call emergency medical care; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.  
Wipe material from skin immediately; flush skin or eyes with running water for at least 15 minutes.  
Remove and isolate contaminated clothing and shoes at the site.  
Keep victim quiet and maintain normal body temperature.

Information on this Guide Page is from the 1990 Emergency Response Guidebook Dot P 5800.5. It applies only to the basic Description and Technical Name entered by the shipper at the top of this form.

Check to see whether the shipper commodity (Basic description entered at the top of this form) is listed by I.D.# and NAME OF THE MATERIAL in the Table of Initial Isolation and Protective Action Distances. This Table is partially reproduced on the back of this Guide Page to reflect only commodities assigned to this Guide Number. Use this information from the table in addition to the Guide Page IF THERE IS NO FIRE.

**READ AND CHECK THE NAMES AND NUMBERS CAREFULLY BECAUSE COMPLETELY DIFFERENT HAZARDOUS MATERIALS CAN HAVE NAMES AND/OR NUMBERS WHICH ARE ALMOST THE SAME!**

### INITIAL ISOLATION PROTECTION TABLES FOR SELECTED HAZARDOUS MATERIALS

The table gives suggested distances for ISOLATING unprotected people from spill areas involving the hazardous materials shown, **IF THE LISTED MATERIAL IS NOT ON FIRE**. If the material is on fire, refer to the 2-digit Guide.

These materials were selected because their vapors have the potential to produce poisonous effects. The table is useful for no more than the first 30 minutes of an incident involving these materials. There are several good reasons for suggesting that the use of the table be limited specifically to the initial phase of a **no-fire** spill incident during transport.

## D.O.T. EMERGENCY RESPONSE GUIDE 76

### TABLE OF INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

| USE THIS TABLE WHEN THE MATERIAL IS <b>NOT</b> ON FIRE. |                  | SMALL SPILLS<br>(Leak or spill from a small package or small leak from a large package.) |   | LARGE SPILLS<br>(Leak or spill from a large package or spill from many small packages.) |   |
|---|------------------|--|---|---|---|
| ID No.  | NAME OF MATERIAL | First ISOLATE in all directions—<br>(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) | First ISOLATE in all directions—<br>(Feet)  | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) |

No chemicals appear in Table of Isolation and Protective Action Distances which are assigned to this Guide number.

If the chemical name and ID Number the shipper entered on the front of this form match a name from this list, **and NO FIRE exists**, you must:

determine if the incident involves a small or large spill; look up the isolation distance; (Direct all person to move in a crosswind direction, away from the spill, to that distance.) look up the initial PROTECTIVE ACTION DISTANCE in the table. (For practical purposes, the Protective Action Zone is a square whose length and width are the same as the downwind distance shown in the table.)

WHEN APPROACHING THE SCENE OF AN ACCIDENT INVOLVING ANY CARGO  
(NOT ONLY REGULATED HAZARDOUS MATERIALS):

- APPROACH INCIDENT FROM AN UPWIND DIRECTION, IF POSSIBLE
- MOVE AND KEEP PEOPLE AWAY FROM INCIDENT SCENE
- DO NOT WALK INTO OR TOUCH ANY SPILLED MATERIAL
- AVOID INHALING FUMES, SMOKE AND VAPORS EVEN IF NO HAZARDOUS MATERIALS ARE INVOLVED
- DO NOT ASSUME THAT GASES OR VAPORS ARE HARMLESS BECAUSE OF LACK OF SMELL—ODORLESS GASES OR VAPORS MAY BE HARMFUL

As a first responder at the scene of a hazardous materials incident, seek additional and more specific information about any material in question as soon as possible. This Guide Page is not intended for use during the cleanup phase for spilled materials, nor should it be used to determine compliance with any regulations. This information on this Emergency Response Form should be augmented by expert technical advice as soon as you have assessed the situation and have seen to the immediate needs of the people involved.

FOR FURTHER INFORMATION REFER TO DOT P 5800.5 (EMERGENCY RESPONSE GUIDEBOOK) AND TITLE 49 CODE OF FEDERAL REGULATIONS.



# D.O.T. EMERGENCY RESPONSE GUIDE 60

(FOLD ON DOTTED LINE—STAPLE TO HAZARDOUS MATERIALS SHIPPING PAPER)

Use basic description and technical name as described in 49 CFR 172.202 and 172.203 (K).

Basic Description:

lab pack  
(see attached inventory)

Technical Name(s):

24 hr. Emergency Contact Tel. No.:

800-424-2300

EMERGENCY  
RESPONSE  
GUIDE  
FORM

## D.O.T. EMERGENCY RESPONSE GUIDE 60

### POTENTIAL HAZARDS

#### HEALTH HAZARDS

Contact causes burns to skin and eyes.  
If inhaled, may be harmful.  
Fire may produce irritating or poisonous gases.  
Runoff from fire control or dilution water may cause pollution.

#### FIRE OR EXPLOSION

Some of these materials may burn, but none of them ignites readily.  
Flammable/poisonous gases may accumulate in tanks and hopper cars.  
Some of these materials may ignite combustibles (wood, paper, oil, etc.)

### EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.  
Stay upwind; keep out of low areas.  
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.  
**CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.**  
If water pollution occurs, notify the appropriate authorities.

#### FIRE

Some of these materials may react violently with water.  
**Small Fires:** Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
**Large Fires:** Water spray, fog or regular foam.  
Move container from fire area if you can do it without risk.  
Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks.

#### SPILL OR LEAK

Do not touch or walk through spilled material; stop leak if you can do it without risk.  
**Small Spills:** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.  
**Small Dry Spills:** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.  
**Large Spills:** Dike far ahead of liquid spill for later disposal.

#### FIRST AID

Move victim to fresh air; call emergency medical care.  
In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.  
Remove and isolate contaminated clothing and shoes at the site.  
Keep victim quiet and maintain normal body temperature.

Information on this Guide Page is from the 1990 Emergency Response Guidebook Dot P 5800.5. It applies only to the basic Description and Technical Name entered by the shipper at the top of this form.

Check to see whether the shipper commodity (Basic description entered at the top of this form) is listed by **I.D.# and NAME OF THE MATERIAL** in the **Table of Initial Isolation and Protective Action Distances**. This Table is partially reproduced on the back of this Guide Page to reflect only commodities assigned to this Guide Number. Use this information from the table in addition to the Guide Page **IF THERE IS NO FIRE**.

**READ AND CHECK THE NAMES AND NUMBERS CAREFULLY BECAUSE COMPLETELY DIFFERENT HAZARDOUS MATERIALS CAN HAVE NAMES AND/OR NUMBERS WHICH ARE ALMOST THE SAME!**

## INITIAL ISOLATION PROTECTION TABLES FOR SELECTED HAZARDOUS MATERIALS

The table gives suggested distances for ISOLATING unprotected people from spill areas involving the hazardous materials shown, **IF THE LISTED MATERIAL IS NOT ON FIRE**. If the material is on fire, refer to the 2-digit Guide.

These materials were selected because their vapors have the potential to produce poisonous effects. The table is useful for no more than the first 30 minutes of an incident involving these materials. There are several good reasons for suggesting that the use of the table be limited specifically to the initial phase of a **no-fire** spill incident during transport.

## D.O.T. EMERGENCY RESPONSE GUIDE 60

### TABLE OF INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

| USE THIS TABLE WHEN THE MATERIAL IS <u>NOT</u> ON FIRE. |                  | SMALL SPILLS<br>(Leak or spill from a small package or small leak from a large package.) |   | LARGE SPILLS<br>(Leak or spill from a large package or spill from many small packages.) |   |
|---|------------------|--|---|---|---|
| ID No.  | NAME OF MATERIAL | First ISOLATE in all directions—<br>(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) | First, ISOLATE in all directions—<br>(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) |
|   |                  |  |   |   |   |

No chemicals appear in Table of Isolation and Protective Action Distances which are assigned to this Guide number.

If the chemical name and ID Number the shipper entered on the front of this form match a name from this list, **and NO FIRE exists**, you must:

determine if the incident involves a small or large spill; look up the isolation distance; (Direct all person to move in a crosswind direction, away from the spill, to that distance.) look up the initial PROTECTIVE ACTION DISTANCE in the table. (For practical purposes, the Protective Action Zone is a square whose length and width are the same as the downwind distance shown in the table.)

WHEN APPROACHING THE SCENE OF AN ACCIDENT INVOLVING ANY CARGO  
(NOT ONLY REGULATED HAZARDOUS MATERIALS):

- APPROACH INCIDENT FROM AN UPWIND DIRECTION, IF POSSIBLE
- MOVE AND KEEP PEOPLE AWAY FROM INCIDENT SCENE
- DO NOT WALK INTO OR TOUCH ANY SPILLED MATERIAL
- AVOID INHALING FUMES, SMOKE AND VAPORS EVEN IF NO HAZARDOUS MATERIALS ARE INVOLVED
- DO NOT ASSUME THAT GASES OR VAPORS ARE HARMLESS BECAUSE OF LACK OF SMELL—ODORLESS GASES OR VAPORS MAY BE HARMFUL

As a first responder at the scene of a hazardous materials incident, seek additional and more specific information about any material in question as soon as possible. This Guide Page is not intended for use during the cleanup phase for spilled materials, nor should it be used to determine compliance with any regulations. This information on this Emergency Response Form should be augmented by expert technical advice as soon as you have assessed the situation and have seen to the immediate needs of the people involved.

FOR FURTHER INFORMATION REFER TO DOT P 5800.5 (EMERGENCY RESPONSE GUIDEBOOK) AND TITLE 49 CODE OF FEDERAL REGULATIONS.





(FOLD ON DOTTED LINE—STAPLE TO HAZARDOUS MATERIALS SHIPPING PAPER)

Use basic description and technical name as described in 49 CFR 172.202 and 172.203 (K).

Basic Description:

Lab pack  
(5 sealed inventories)

Technical Name(s):

Spill Kit - 9300

24 hr. Emergency Contact Tel. No.:

EMERGENCY  
RESPONSE  
GUIDE  
FORM

## D.O.T. EMERGENCY RESPONSE GUIDE 55

### POTENTIAL HAZARDS

#### HEALTH HAZARDS

Poisonous; may be fatal if inhaled, swallowed or absorbed through skin.  
Contact may cause burns to skin and eyes.  
Runoff from fire control or dilution water may give off poisonous gases and cause water pollution.  
Fire may produce irritating or poisonous gases.

#### FIRE OR EXPLOSION

Some of these materials may burn, but none of them ignites readily.  
Container may explode violently in heat of fire.

### EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.  
Stay upwind; keep out of low areas, and ventilate closed spaces before entering.  
Positive pressure self-contained breathing apparatus (SCBA) and chemical protective clothing which is specifically recommended by the shipper or manufacturer may be worn. It may provide little or no thermal protection.  
Structural firefighters' protective clothing is not effective for these materials.  
Remove and isolate contaminated clothing at the site.  
**CALL CHEMTREC AT 1-800-424-9300 AS SOON AS POSSIBLE,**  
especially if there is no local hazardous materials team available.

#### FIRE

Small Fires: Dry chemical, water spray or regular foam.  
Large Fires: Water spray, fog or regular foam.  
Move container from fire area if you can do it without risk.  
Fight fire from maximum distance. Stay away from ends of tanks.  
Dike fire-control water for later disposal; do not scatter the material.

#### SPILL OR LEAK

Do not touch or walk through spilled material; stop leak if you can do it without risk.  
Fully-encapsulating, vapor-protective clothing should be worn for spills and leaks with no fire.  
Use water spray to reduce vapors.  
Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.  
Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely, move containers from spill area.  
Large Spills: Dike far ahead of liquid spill for later disposal.

#### FIRST AID

Move victim to fresh air and call emergency medical care; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.  
In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.  
Speed in removing material from skin is of extreme importance.  
Remove and isolate contaminated clothing and shoes at the site.  
Keep victim quiet and maintain normal body temperature.  
Effects may be delayed, keep victim under observation.

Information on this Guide Page is from the 1990 Emergency Response Guidebook Dot P 5800.5. It applies only to the basic Description and Technical Name entered by the shipper at the top of this form.

Check to see whether the shipper commodity (Basic description entered at the top of this form) is listed by I.D.# and NAME OF THE MATERIAL in the Table of Initial Isolation and Protective Action Distances. This Table is partially reproduced on the back of this Guide Page to reflect only commodities assigned to this Guide Number. Use this information from the table in addition to the Guide Page IF THERE IS NO FIRE.

**READ AND CHECK THE NAMES AND NUMBERS CAREFULLY BECAUSE COMPLETELY DIFFERENT HAZARDOUS MATERIALS CAN HAVE NAMES AND/OR NUMBERS WHICH ARE ALMOST THE SAME!**

## INITIAL ISOLATION PROTECTION TABLES FOR SELECTED HAZARDOUS MATERIALS

The table gives suggested distances for ISOLATING unprotected people from spill areas involving the hazardous materials shown, **IF THE LISTED MATERIAL IS NOT ON FIRE**. If the material is on fire, refer to the 2-digit Guide.

These materials were selected because their vapors have the potential to produce poisonous effects. The table is useful for no more than the first 30 minutes of an incident involving these materials. There are several good reasons for suggesting that the use of the table be limited specifically to the initial phase of a **no-fire** spill incident during transport.

## D.O.T. EMERGENCY RESPONSE GUIDE 55

TABLE OF INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

| ID No. | NAME OF MATERIAL   | SMALL SPILLS<br>(Less than 100 lbs. of material from a small package or from a large package) |   | LARGE SPILLS<br>(100 lbs. or more of material from a large package) |   |
|--------|--|---|---|---|---|
|        |  | First Isolate in all directions (Feet)  | Then, Protect those persons in the DOWNWIND direction (Miles) | First Isolate in all directions (Feet)                              | Then, Protect those persons in the DOWNWIND direction (Miles) |
| 1082   | Methyl Bromide   | 600   | 2   | 900   | 3   |
| 1135   | Ethylene Dichloride  | 150   | 0.8   | 150   | 0.8   |
| 1541   | Acetone Cyanohydrin  | 150   | 0.2   | 150   | 0.2   |
| 1556   | Methyldichloroarsine   | 150   | 0.2   | 150   | 0.2   |
| 1560   | Arsenic Chloride   | 1200  | 4   | 1500  | 5   |
| 1569   | Arsenic Trichloride  | 1200  | 4   | 1500  | 5   |
| 1569   | Bromoacetic Acid   | 150   | 0.2   | 150   | 0.2   |
| 1581   | Chloroacetic Acid  | 150   | 0.8   | 1200  | 4   |
| 1581   | Methyl Bromide Mixture   | 150   | 0.8   | 1200  | 4   |
| 1581   | Methyl Bromide and Chloroacetic Acid Mixture   | 150   | 0.8   | 1200  | 4   |
| 1665   | Dichloromethane  | 150   | 0.2   | 150   | 0.2   |
| 1895   | Ethylene Dichloride  | 150   | 0.2   | 150   | 0.2   |
| 1970   | Trichloromethyl Mercaptan  | 150   | 0.8   | 150   | 0.8   |
| 1997   | Chloroacetic Acid  | 900   | 3   | 1200  | 4   |
| 1704   | Dry Ice (Solid Carbon Dioxide)   | 150   | 0.2   | 150   | 0.2   |
| 1889   | Cyanogen Bromide   | 150   | 0.2   | 150   | 0.2   |
| 1892   | Ethylchloroarsine  | 150   | 0.2   | 150   | 0.2   |
| 1916   | Dichlorodimethyl Ether   | 150   | 0.2   | 150   | 0.2   |
| 1916   | Dichloroethyl Ether  | 150   | 0.2   | 150   | 0.2   |
| 2290   | IPDI   | 900   | 3   | 900   | 3   |
| 2487   | Isophorone Dicyanate   | 900   | 3   | 900   | 3   |
| 2489   | Phenyl Isocyanate  | 150   | 0.2   | 150   | 0.2   |
| 2489   | Diphenylmethane-4,4'-Dicyanate (MDI)   | 150   | 0.2   | 150   | 0.2   |
| 2489   | Methylene Bis (4-phenylisocyanate) (MDI)   | 150   | 0.2   | 150   | 0.2   |
| 2489   | Hexachlorocyclopentadiene  | 150   | 0.4   | 150   | 0.4   |
| 2568   | Chloroacetic Acid N.O.S.   | 150   | 0.2   | 150   | 0.2   |
| 2810   | Poisonous Liquid N.O.S. (Poison B) When "Inhalation Hazard" is on a package or shipping paper    | 1200  | 4   | 1500  | 5   |
| 2810   | Poisonous B Liquid, N.O.S. (Poison B) When "Inhalation Hazard" is on a package or shipping paper | 1200  | 4   | 1500  | 5   |
| 3262   | Anilinedimethylbutylphosphonate  | 150   | 0.2   | 150   | 0.2   |
| 3262   | Chloroacetic Acid  | 150   | 0.2   | 150   | 0.2   |
| 3264   | 3,5-Dichloro-2,4,6-Tri-fluorophenol  | 150   | 0.2   | 150   | 0.2   |
| 3267   | Sulfur Chloride and Carbon Tetrachloride Mixture   | 600   | 2   | 600   | 2   |
| 3268   | 3-Trifluoromethyl-Phenylisocyanate   | 150   | 0.2   | 150   | 0.2   |

If the chemical name and ID Number the shipper entered on the front of this form match a name from this list, **and NO FIRE exists**, you must:

determine if the incident involves a small or large spill; look up the isolation distance; (Direct all person to move in a crosswind direction, away from the spill, to that distance.) look up the initial PROTECTIVE ACTION DISTANCE in the table. (For practical purposes, the Protective Action Zone is a square whose length and width are the same as the downwind distance shown in the table.)

WHEN APPROACHING THE SCENE OF AN ACCIDENT INVOLVING ANY CARGO  
(NOT ONLY REGULATED HAZARDOUS MATERIALS):

- APPROACH INCIDENT FROM AN UPWIND DIRECTION, IF POSSIBLE
- MOVE AND KEEP PEOPLE AWAY FROM INCIDENT SCENE
- DO NOT WALK INTO OR TOUCH ANY SPILLED MATERIAL
- AVOID INHALING FUMES, SMOKE AND VAPORS EVEN IF NO HAZARDOUS MATERIALS ARE INVOLVED.
- DO NOT ASSUME THAT GASES OR VAPORS ARE HARMLESS BECAUSE OF LACK OF SMELL—ODORLESS GASES OR VAPORS MAY BE HARMFUL

As a first responder at the scene of a hazardous materials incident, seek additional and more specific information about any material in question as soon as possible. This Guide Page is not intended for use during the cleanup phase for spilled materials, nor should it be used to determine compliance with any regulations. This information on this Emergency Response Form should be augmented by expert technical advice as soon as you have assessed the situation and have seen to the immediate needs of the people involved.

FOR FURTHER INFORMATION REFER TO DOT P 5800.5 (EMERGENCY RESPONSE GUIDEBOOK) AND TITLE 49 CODE OF FEDERAL REGULATIONS.





(FOLD ON DOTTED LINE—STAPLE TO HAZARDOUS MATERIALS SHIPPING PAPER)

Use basic description and technical name as described in 49 CFR 172.202 and 172.203 (K).

Basic Description:

lab pack  
(see attached inventories)

Technical Name(s):

24 hr. Emergency Contact Tel. No.:

800-424-9300

EMERGENCY  
RESPONSE  
GUIDE  
FORM

## D.O.T. EMERGENCY RESPONSE GUIDE 45

POTENTIAL HAZARDS**FIRE OR EXPLOSION**

May ignite other combustible materials (wood, paper, oil, etc.).  
These materials will accelerate burning when they are involved in a fire; some will react violently with fuels.  
Flammable/poisonous gases may accumulate in tanks and hopper cars.  
Runoff to sewer may create fire or explosion hazard.

**HEALTH HAZARDS**

If inhaled, may be harmful.  
Contact may cause burns to skin and eyes.  
Fire may produce irritating or poisonous gases.  
Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.  
Stay upwind; keep out of low areas.  
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.  
**CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.**  
If water pollution occurs, notify the appropriate authorities.

**FIRE**

**Small Fires:** Water only; no dry chemical, CO2 or Halon.  
**Large Fires:** Flood fire area with water.  
Move container from fire area if you can do it without risk.  
Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks.  
For massive fire in cargo area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

**SPILL OR LEAK**

Keep combustibles (wood, paper, oil, etc.) away from spilled material.  
Do not touch or walk through spilled material; stop leak if you can do it without risk.  
Use water spray to reduce vapor; do not get water inside container.  
**Small Dry Spills:** With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.  
**Small Spills:** Flush area with flooding amounts of water.  
**Large Spills:** Dike far ahead of liquid spill for later disposal.

**FIRST AID**

Move victim to fresh air and call emergency medical care; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.  
In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.  
Remove and isolate contaminated clothing and shoes at the site.  
Keep victim quiet and maintain normal body temperature.  
Effects may be delayed; keep victim under observation.

Information on this Guide Page is from the 1990 Emergency Response Guidebook Dot P 5800.5. It applies only to the basic Description and Technical Name entered by the shipper at the top of this form.

Check to see whether the shipper commodity (Basic description entered at the top of this form) is listed by I.D.# and NAME OF THE MATERIAL in the Table of Initial Isolation and Protective Action Distances. This Table is partially reproduced on the back of this Guide Page to reflect only commodities assigned to this Guide Number. Use this information from the table in addition to the Guide Page IF THERE IS NO FIRE.

**READ AND CHECK THE NAMES AND NUMBERS CAREFULLY BECAUSE COMPLETELY DIFFERENT HAZARDOUS MATERIALS CAN HAVE NAMES AND/OR NUMBERS WHICH ARE ALMOST THE SAME!**

### INITIAL ISOLATION PROTECTION TABLES FOR SELECTED HAZARDOUS MATERIALS

The table gives suggested distances for ISOLATING unprotected people from spill areas involving the hazardous materials shown, **IF THE LISTED MATERIAL IS NOT ON FIRE**. If the material is on fire, refer to the 2-digit Guide.

These materials were selected because their vapors have the potential to produce poisonous effects. The table is useful for no more than the first 30 minutes of an incident involving these materials. There are several good reasons for suggesting that the use of the table be limited specifically to the initial phase of a **no-fire** spill incident during transport.

## D.O.T. EMERGENCY RESPONSE GUIDE 45

No chemicals appear in Table of Isolation and Protective Action Distances which are assigned to this Guide number.

If the chemical name and ID Number the shipper entered on the front of this form match a name from this list, **and NO FIRE exists**, you must:

determine if the incident involves a small or large spill; look up the isolation distance; (Direct all person to move in a crosswind direction, away from the spill, to that distance.) look up the initial PROTECTIVE ACTION DISTANCE in the table. (For practical purposes, the Protective Action Zone is a square whose length and width are the same as the downwind distance shown in the table.)

WHEN APPROACHING THE SCENE OF AN ACCIDENT INVOLVING ANY CARGO  
(NOT ONLY REGULATED HAZARDOUS MATERIALS):

- APPROACH INCIDENT FROM AN UPWIND DIRECTION, IF POSSIBLE
- MOVE AND KEEP PEOPLE AWAY FROM INCIDENT SCENE
- DO NOT WALK INTO OR TOUCH ANY SPILLED MATERIAL
- AVOID INHALING FUMES, SMOKE AND VAPORS EVEN IF NO HAZARDOUS MATERIALS ARE INVOLVED
- DO NOT ASSUME THAT GASES OR VAPORS ARE HARMLESS BECAUSE OF LACK OF SMELL—ODORLESS GASES OR VAPORS MAY BE HARMFUL

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FOR FURTHER INFORMATION REFER TO DOT P 5800.5 (EMERGENCY RESPONSE GUIDEBOOK) AND TITLE 49 CODE OF FEDERAL REGULATIONS.



## D.O.T. EMERGENCY RESPONSE GUIDE 31

(FOLD ON DOTTED LINE—STAPLE TO HAZARDOUS MATERIALS SHIPPING PAPER)

Use basic description and technical name as described in 49 CFR 172.202 and 172.203 (K).

Basic Description:

lab pack  
(see attached inventories)

Technical Name(s):

EMERGENCY  
RESPONSE  
GUIDE  
FORM

24 hr. Emergency Contact Tel. No.:

800-424-9300

## D.O.T. EMERGENCY RESPONSE GUIDE 31

### POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

Some of these materials may burn, but none of them ignites readily.

#### HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

### EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.

Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.

If water pollution occurs, notify the appropriate authorities.

#### FIRE

Small Fires: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

Large Fires: Water spray, fog or regular foam.

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Dike fire-control water for later disposal.

#### SPILL OR LEAK

Stop leak if you can do it without risk.

Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.

Cover powder spill with plastic sheet or tarp to minimize spreading.

#### FIRST AID

In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

Information on this Guide Page is from the 1990 Emergency Response Guidebook Dot P 5800.5. It applies only to the basic description and technical name entered by the shipper at the top of this form.

Check to see whether the shipper commodity (Basic description entered at the top of this form) is listed by I.D.# and NAME OF THE MATERIAL in the Table of Initial Isolation and Protective Action Distances. This Table is partially reproduced on the back of this Guide Page to reflect only commodities assigned to this Guide Number. Use this information from the table in addition to the Guide Page IF THERE IS NO FIRE.

READ AND CHECK THE NAMES AND NUMBERS CAREFULLY BECAUSE COMPLETELY DIFFERENT HAZARDOUS MATERIALS CAN HAVE NAMES AND/OR NUMBERS WHICH ARE ALMOST THE SAME!

### INITIAL ISOLATION PROTECTION TABLES FOR SELECTED HAZARDOUS MATERIALS

The table gives suggested distances for ISOLATING unprotected people from spill areas involving the hazardous materials shown, **IF THE LISTED MATERIAL IS NOT ON FIRE**. If the material is on fire, refer to the 2-digit Guide.

These materials were selected because their vapors have the potential to produce poisonous effects. The table is useful for no more than the first 30 minutes of an incident involving these materials. There are several good reasons for suggesting that the use of the table be limited specifically to the initial phase of a **no-fire** spill incident during transport.

## D.O.T. EMERGENCY RESPONSE GUIDE 31

### TABLE OF INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

| USE THIS TABLE WHEN THE MATERIAL IS <u>NOT</u> ON FIRE. |                  | SMALL SPILLS<br>(Leak or spill from a small package or small leak from a large package.) |   | LARGE SPILLS<br>(Leak or spill from a large package or spill from many small packages.) |   |
|---|------------------|--|---|---|---|
| ID No.  | NAME OF MATERIAL | First ISOLATE in all directions—<br>(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) | First, ISOLATE in all directions—<br>(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) |
|   |                  |  |   |   |   |

No chemicals appear in Table of Isolation and Protective Action Distances which are assigned to this Guide number.

If the chemical name and ID Number the shipper entered on the front of this form match a name from this list, **and NO FIRE exists**, you must:

determine if the incident involves a small or large spill; look up the isolation distance; (Direct all person to move in a crosswind direction, away from the spill, to that distance.) look up the initial PROTECTIVE ACTION DISTANCE in the table. (For practical purposes, the Protective Action Zone is a square whose length and width are the same as the downwind distance shown in the table.)

WHEN APPROACHING THE SCENE OF AN ACCIDENT INVOLVING ANY CARGO  
(NOT ONLY REGULATED HAZARDOUS MATERIALS):

- APPROACH INCIDENT FROM AN UPWIND DIRECTION, IF POSSIBLE
- MOVE AND KEEP PEOPLE AWAY FROM INCIDENT SCENE
- DO NOT WALK INTO OR TOUCH ANY SPILLED MATERIAL
- AVOID INHALING FUMES, SMOKE AND VAPORS EVEN IF NO HAZARDOUS MATERIALS ARE INVOLVED
- DO NOT ASSUME THAT GASES OR VAPORS ARE HARMLESS BECAUSE OF LACK OF SMELL—ODORLESS GASES OR VAPORS MAY BE HARMFUL

As a first responder at the scene of a hazardous materials incident, seek additional and more specific information about any material in question as soon as possible. This Guide Page is not intended for use during the cleanup phase for spilled materials, nor should it be used to determine compliance with any regulations. This information on this Emergency Response Form should be augmented by expert technical advice as soon as you have assessed the situation and have seen to the immediate needs of the people involved.

FOR FURTHER INFORMATION REFER TO DOT P 5800.5 (EMERGENCY RESPONSE GUIDEBOOK) AND TITLE 49 CODE OF FEDERAL REGULATIONS.





## D.O.T. EMERGENCY RESPONSE GUIDE 29

(FOLD ON DOTTED LINE—STAPLE TO HAZARDOUS MATERIALS SHIPPING PAPER)

Use basic description and technical name as described in 49 CFR 172.202 and 172.203 (K).

Basic Description:

lab pack  
(see attached inventories)

Technical Name(s):

EMERGENCY  
RESPONSE  
GUIDE  
FORM

24 hr. Emergency Contact Tel. No.:

800-424-9300

## D.O.T. EMERGENCY RESPONSE GUIDE 29

### POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

Flammable/combustible material; may be ignited by heat, sparks or flames.  
Vapors may travel to a source of ignition and flash back.  
Container may explode in heat of fire.  
Vapor explosion hazard indoors, outdoors or in sewers.  
Runoff to sewer may create fire or explosion hazard.

#### HEALTH HAZARDS

May be poisonous if inhaled.  
Contact may cause burns to skin and eyes.  
Fire may produce irritating or poisonous gases.  
Runoff from fire control or dilution water may cause pollution.

### EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.  
Stay upwind; keep out of low areas.  
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.  
Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire.  
CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.  
If water pollution occurs, notify the appropriate authorities.

#### FIRE

Some of these materials may react violently with water.  
Small Fires: Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
Large Fires: Water spray, fog or regular foam.  
Move container from fire area if you can do it without risk.  
Do not get water inside container.  
Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks.  
Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

#### SPILL OR LEAK

Shut off ignition sources; no flares, smoking or flames in hazard area.  
Do not touch or walk through spilled material; stop leak if you can do it without risk.  
Use water spray to reduce vapor; do not get water inside container.  
Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.  
Large Spills: Dike far ahead of liquid spill for later disposal.

#### FIRST AID

Move victim to fresh air and call emergency medical care; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.  
In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes.  
Remove and isolate contaminated clothing and shoes at the site.  
Keep victim quiet and maintain normal body temperature.

Information on this Guide Page is from the 1990 Emergency Response Guidebook Dot P 5800.5. It applies only to the basic Description and Technical Name entered by the shipper at the top of this form.

Check to see whether the shipper commodity (Basic description entered at the top of this form) is listed by I.D.# and NAME OF THE MATERIAL in the Table of Initial Isolation and Protective Action Distances. This Table is partially reproduced on the back of this Guide Page to reflect only commodities assigned to this Guide Number. Use this information from the table in addition to the Guide Page IF THERE IS NO FIRE.

READ AND CHECK THE NAMES AND NUMBERS CAREFULLY BECAUSE COMPLETELY DIFFERENT HAZARDOUS MATERIALS CAN HAVE NAMES AND/OR NUMBERS WHICH ARE ALMOST THE SAME!

### INITIAL ISOLATION PROTECTION TABLES FOR SELECTED HAZARDOUS MATERIALS

The table gives suggested distances for ISOLATING unprotected people from spill areas involving the hazardous materials shown, **IF THE LISTED MATERIAL IS NOT ON FIRE**. If the material is on fire, refer to the 2-digit Guide.

These materials were selected because their vapors have the potential to produce poisonous effects. The table is useful for no more than the first 30 minutes of an incident involving these materials. There are several good reasons for suggesting that the use of the table be limited specifically to the initial phase of a no-fire spill incident during transport.

## D.O.T. EMERGENCY RESPONSE GUIDE 29

### TABLE OF INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

USE THIS TABLE WHEN THE MATERIAL IS **NOT** ON FIRE.

| ID No. | NAME OF MATERIAL         | SMALL SPILLS<br>(Leak or spill from a small package or small leak from a large package.) |   | LARGE SPILLS<br>(Leak or spill from a large package or spill from many small packages.) |   |
|--------|--------------------------|--|---|---|---|
|        |                          | First ISOLATE in all directions—(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—(Miles) | First, ISOLATE in all directions—(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—(Miles) |
| 2438   | Pivaloyl Chloride        | 150  | 0.2   | 150   | 0.2   |
| 2438   | Trimethylacetyl Chloride | 150  | 0.2   | 150   | 0.2   |

If the chemical name and ID Number the shipper entered on the front of this form match a name from this list, **and NO FIRE exists**, you must:

determine if the incident involves a small or large spill; look up the isolation distance; (Direct all person to move in a crosswind direction, away from the spill, to that distance.) look up the initial PROTECTIVE ACTION DISTANCE in the table. (For practical purposes, the Protective Action Zone is a square whose length and width are the same as the downwind distance shown in the table.)

WHEN APPROACHING THE SCENE OF AN ACCIDENT INVOLVING ANY CARGO  
(NOT ONLY REGULATED HAZARDOUS MATERIALS):

- APPROACH INCIDENT FROM AN UPWIND DIRECTION, IF POSSIBLE
- MOVE AND KEEP PEOPLE AWAY FROM INCIDENT SCENE
- DO NOT WALK INTO OR TOUCH ANY SPILLED MATERIAL
- AVOID INHALING FUMES, SMOKE AND VAPORS EVEN IF NO HAZARDOUS MATERIALS ARE INVOLVED
- DO NOT ASSUME THAT GASES OR VAPORS ARE HARMLESS BECAUSE OF LACK OF SMELL—ODORLESS GASES OR VAPORS MAY BE HARMFUL

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D.O.T. EMERGENCY RESPONSE GUIDE 27

(FOLD ON DOTTED LINE—STAPLE TO HAZARDOUS MATERIALS SHIPPING PAPER)

Use basic description and technical name as described in 49 CFR 172.202 and 172.203 (K).

Basic Description:

Technical Name(s):

24 hr. Emergency Contact Tel. No.:

lab pack

(See attached inventories)

800-924-9300

EMERGENCY  
RESPONSE  
GUIDE  
FORM

## D.O.T. EMERGENCY RESPONSE GUIDE 27

### POTENTIAL HAZARDS

#### FIRE OR EXPLOSION

Flammable/combustible material; may be ignited by heat, sparks or flames.  
Vapors may travel to a source of ignition and flash back.  
Container may explode in heat of fire.  
Vapor explosion hazard indoors, outdoors or in sewers.  
Runoff to sewer may create fire or explosion hazard.

#### HEALTH HAZARDS

May be poisonous if inhaled or absorbed through skin.  
Vapors may cause dizziness or suffocation.  
Contact may irritate or burn skin and eyes.  
Fire may produce irritating or poisonous gases.  
Runoff from fire control or dilution water may cause pollution.

### EMERGENCY ACTION

Keep unnecessary people away; isolate hazard area and deny entry.  
Stay upwind; keep out of low areas.  
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.  
Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire.  
**CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.**  
If water pollution occurs, notify the appropriate authorities.

#### FIRE

**Small Fires:** Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
**Large Fires:** Water spray, fog or regular foam.  
Move container from fire area if you can do it without risk.  
Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks.  
For massive fire in cargo area, use unmanned hose holder or monitor nozzles; if this is impossible, withdraw from area and let fire burn.  
Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.

#### SPILL OR LEAK

Shut off ignition sources; no flares, smoking or flames in hazard area.  
Stop leak if you can do it without risk.  
Water spray may reduce vapor; but it may not prevent ignition in closed spaces.  
**Small Spills:** Take up with sand or other noncombustible absorbent material and place into containers for later disposal.  
**Large Spills:** Dike far ahead of liquid spill for later disposal.

#### FIRST AID

Move victim to fresh air and call emergency medical care; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.  
In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Wash skin with soap and water.  
Remove and isolate contaminated clothing and shoes at the site.

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## D.O.T. EMERGENCY RESPONSE GUIDE 27

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|--------|------------------|--|---|---|---|
|        |                  | First ISOLATE in all directions—<br>(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) | First, ISOLATE in all directions—<br>(Feet)   | Then, PROTECT those persons in the DOWNWIND direction—<br>(Miles) |

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WHEN APPROACHING THE SCENE OF AN ACCIDENT INVOLVING ANY CARGO  
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- MOVE AND KEEP PEOPLE AWAY FROM INCIDENT SCENE
- DO NOT WALK INTO OR TOUCH ANY SPILLED MATERIAL
- AVOID INHALING FUMES, SMOKE AND VAPORS EVEN IF NO HAZARDOUS MATERIALS ARE INVOLVED
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**CERTIFICATION**P.O. BOX 1957 AMERICAN ROAD EL DORADO, AR 71731 (501) 863-7173 **No.**

122473

Invoice No. 123874

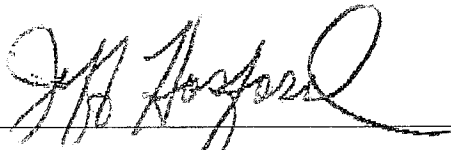
**CERTIFICATE OF DISPOSAL**

DOUGLAS AIRCRAFT CO.  
ATTN: ROB TUELL  
19503 S. NORMANDIE AVE.  
TORRANCE, CA 90502

ENSCO CERTIFIES THAT THE ITEMS ASSOCIATED WITH THE SHIPMENT IDENTIFIED BY MANIFEST AR000635662 RECEIVED FROM DOUGLAS AIRCRAFT CO. HAVE BEEN PROCESSED AS DESCRIBED BELOW:

| IDENTIFICATION<br>NUMBER | DESCRIPTION                   | DISPOSAL<br>DATES    | DISPOSAL<br>PROCESS/PROCESSES |
|--------------------------|-------------------------------|----------------------|-------------------------------|
| 1. AR000635662           | 001 WASTE FLM. LIQUID         | 09/02/93 -- 09/02/93 | INCINERATION                  |
| 2. AR000635662           | 002 WASTE FLM. LIQUID         | 09/02/93 -- 09/02/93 | INCINERATION                  |
| 3. AR000635662           | 003 WASTE MAGNESIUM           | 09/02/93 -- 09/02/93 | INCINERATION                  |
| 4. AR000635662           | 004 WASTE HYDROGEN PEROXIDE   | 09/01/93 -- 09/01/93 | INCINERATION                  |
| 5. AR000635662           | 005 WASTE CRSV. LIQUID        | 09/01/93 -- 09/01/93 | INCINERATION                  |
| 6. AR000635662           | 006 WASTE ISOCYANATES         | 09/01/93 -- 09/01/93 | INCINERATION                  |
| 7. AR000635662           | 007 ENVIRD. HAZ. SOLID        | 09/01/93 -- 09/01/93 | INCINERATION                  |
| 8. AR000635662           | 008 HAZ. WASTE LIQUID         | 09/01/93 -- 09/01/93 | INCINERATION                  |
| 9. AR000635662           | 009 NON RCRA HAZ. WASTE SOLID | 09/01/93 -- 09/01/93 | INCINERATION                  |

INCINERATION OCCURRED AT ENSCO, INC., AMERICAN OIL ROAD, EL DORADO, AR 71730 EPA ID NUMBER ARD069748192.

BY   
NAME JEFF HOSFORD  
TITLE INVENTORY ACCOUNTING MANAGER  
DATE 9/15/93

IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT YOUR ENSCO SALES REPRESENTATIVE.  
ENSCO INCORPORATED

## **NOTICE**

Enclosed is a Compliance Certificate, signed by an ENSCO employee, certifying proper disposal of your waste material.

Thank you for your confidence in ENSCO. We appreciate the opportunity to provide hazardous waste management services to your company.

When you need us, call your ENSCO representative or sales manager.